



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010561
CERTIFICATION DATE: October 31, 2013
DATE RECERTIFICATION DUE: April 29, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

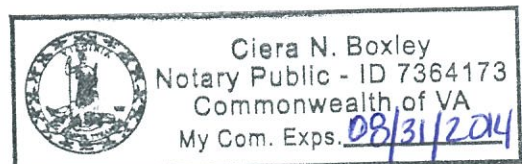
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 18th day of November, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Department of Forensic Science
Breath Alcohol Section
Instrument Location History
1/1/1990 To 11/1/2013

DBH

NSL

Instrument Serial Number: 010561	As of 01-Nov-13
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Start Date	End Date	Agency Name
31-Oct-13		Bland County SO
02-Aug-13	31-Oct-13	DFS Central Lab
20-Dec-11	02-Aug-13	Norfolk PD
30-Sep-11	20-Dec-11	DFS Central Lab
01-Apr-09	30-Sep-11	Smyth County SO
23-Jun-08	01-Apr-09	DFS Central Lab

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/1/2013

DBH
NJA

Instrument Serial Number: 010561 **As of 01-Nov-13**

Maintenance Date	Certification Date	Technician Initials	Remarks
31-Oct-13	31-Oct-13	DBH (21250)	CERTIFIED.
09-Aug-13	09-Aug-13	DBH (21250)	REPLACED AND TESTED FUEL CELL MODULE. CALIBRATED AND CERTIFIED.
18-Jul-13	18-Jul-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
21-Feb-13	21-Feb-13	DBH (21250)	MOVED INSTRUMENT TO NEW LOCATION WITHIN SAME FACILITY, CERTIFIED.
28-Jan-13	28-Jan-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
20-Nov-12	20-Nov-12	HMS (18910)	REPLACED PRINTER, FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
10-Aug-12	10-Aug-12	HMS (18910)	CERTIFIED
24-Jul-12	23-Feb-12	HMS (18910)	REPLACED DRY GAS STANDARD.
23-Feb-12	23-Feb-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
20-Dec-11	20-Dec-11	DBH (21250)	CERTIFIED
19-Dec-11	19-Dec-11	HMS (18910)	ADJUSTED AND TESTED SAMPLE SOLENOID, CERTIFIED
23-Jun-11	23-Jun-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
19-Jan-11	19-Jan-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
03-Aug-10	03-Aug-10	HMS (18910)	CERTIFIED
24-Feb-10	24-Feb-10	HMS (18910)	CERTIFIED
11-Sep-09	11-Sep-09	HMS (18910)	CERTIFIED.
01-Apr-09	01-Apr-09	HMS (18910)	CERTIFIED.
04-Mar-09	04-Mar-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
24-Dec-08	24-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
NSA

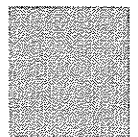
INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010561 Worksheet Start Date 10/31/2013
Location Bland CO SO
Address 612 Main St Bland VA 24315
DFS Technician Donald Hall License No. 21250
☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

E-Seek	Old serial no.	New serial no.	Supplies
Keyboard		2000103435	Mouthpieces
Printer		6ghz142043	Certificates of Analysis
UPS		7ceceb27495	Operator Worksheet
		jb0802017128	Other:



Maintenance (if any)
Installed at Bland CO SO.

Comments (if any)

Instrument Serial Number 010561

Certification Date 10/31/2013

Instrument Barometer (mm HG) 696

Reference Barometer (mm HG) 701

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.229	0.222	0.235	Sample 2	0.226
Precision		sample min	sample max	Sample 3	0.225
0.002		0.225	0.227		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.137	0.132	0.141	Sample 2	0.135
Precision		sample min	sample max	Sample 3	0.135
0		0.135	0.135		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.073	0.070	0.076	Sample 2	0.073
Precision		sample min	sample max	Sample 3	0.073
0		0.073	0.073		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.018	0.015	0.021	Sample 2	0.017
Precision		sample min	sample max	Sample 3	0.017
0		0.017	0.017		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG217702-25

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.092	0.089	0.095	Sample 2	0.090
Precision		sample min	sample max	Sample 3	0.090
0		0.090	0.090		

DFS Technician

Donald B Hall

Date

11/1/13

Issuing Analyst

Melissa Kennedy

Date

11/7/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010561 Test Number: 1540
Test Date: 10/31/2013 Test Time: 11:12 EDT

Technician Initials: DBH

Dry Gas Target: 0.229

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 164 psi Barometric Pressure: 696 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:12
BLK	0.000	11:13
CHK	0.227	11:14
BLK	0.000	11:15
CHK	0.226	11:16
BLK	0.000	11:17
CHK	0.225	11:17
BLK	0.000	11:19

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010561 Test Number: 1541
Test Date: 10/31/2013 Test Time: 11:21 EDT

Technician Initials: DBH

Dry Gas Target: 0.137

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 723 psi Barometric Pressure: 696 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:22
BLK	0.000	11:23
CHK	0.135	11:23
BLK	0.000	11:24
CHK	0.135	11:25
BLK	0.000	11:26
CHK	0.135	11:27
BLK	0.000	11:28

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

DBH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010561 Test Number: 1542
Test Date: 10/31/2013 Test Time: 11:31 EDT

Technician Initials: DBH

Dry Gas Target: 0.073

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 129 psi Barometric Pressure: 696 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:31
BLK	0.000	11:32
CHK	0.073	11:33
BLK	0.000	11:34
CHK	0.073	11:35
BLK	0.000	11:36
CHK	0.073	11:37
BLK	0.000	11:38

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

WHL

Department of Forensic Science

Serial Number: 010561 Test Number: 1543
Test Date: 10/31/2013 Test Time: 11:40 EDT

Technician Initials: DBH

Dry Gas Target: 0.018

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 1026 psi Barometric Pressure: 696 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:41
BLK	0.000	11:42
CHK	0.017	11:42
BLK	0.000	11:43
CHK	0.017	11:44
BLK	0.000	11:45
CHK	0.017	11:46
BLK	0.000	11:47

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010561 Test Number: 1544

Test Date: 10/31/2013 Test Time: 11:50 EDT

Dry Gas Target: 0.275

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 134 psi Barometric Pressure: 696 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:51
CHK	0.274	11:51
BLK	0.000	11:53
CHK	0.273	11:54
BLK	0.000	11:55
CHK	0.272	11:56

Test Status: *Success*

Calibration CRC: A1A7F0EA

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010561 Test Number: 1545

Test Date: 10/31/2013 Test Time: 11:59 EDT

Dry Gas Target: 0.092

Lot Number: AG217702-25 Exp Date: 06/25/2014

Tank Pressure: 178 psi Barometric Pressure: 696 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	12:00
CHK	0.090	12:01
BLK	0.000	12:03
CHK	0.090	12:03
BLK	0.000	12:05
CHK	0.090	12:05

Test Status: Success

Calibration CRC: A1A7F0EA

DBH

WJL




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---------------------------------------------	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/31/2013
TEST EQUIPMENT NUMBER 010561		

RESULTS: TIME SAMPLE TAKEN 12:14 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 01 Nov 2013 at 10:07

DBH

WHL

Test Results

Instrument Serial Number 010561

Test # 001546 Subject Test

Test Location 1 Department of

Test Date 31 Oct 2013

Test Location 2 Forensic Science

Test Time 12:07

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

License Number 21250

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 31 Oct 2013

End Time 12:15

Result Time 12:14

Result Date 31 Oct 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:08

Data Type BLK

Sample Value 0.000

Sample Time 12:08

Data Type CHK

Sample Value 0.090

Sample Time 12:09

Data Type BLK

Sample Value 0.000

Sample Time 12:10

Data Type SUBJ

Sample Value 0.000

Sample Time 12:11

Data Type BLK

Sample Value 0.000

Sample Time 12:12

Data Type SUBJ

Sample Value 0.000

Sample Time 12:14

Data Type BLK

Sample Value 0.000

Sample Time 12:15

Standard Type Dry Gas Std

Standard Value 0.092

Standard Lot Number AG217702-25

Standard Expiration Date 06/25/2014

Tank Pressure 169

Barometric Pressure 696 mmHg

Blow Sample Number 1

Blow Duration 3.51 sec

Blow Volume 1850 cc

End-of-Blow Time 12:11

Blow Sample Number 2

Blow Duration 3.69 sec

Blow Volume 1818 cc

End-of-Blow Time 12:14

Tamper Evident Stamp c2899434

Test Status Code 0

Test Status Success